

**PART B - FEE(S) TRANSMITTAL**

Complete and send this form, together with applicable fee(s), to: Mail

**Mail Stop ISSUE FEE  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
(703) 746-4000**

or Fax

**INSTRUCTIONS:** This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)

7590

05/03/2005

Abby Raissinia  
IBM Corp.  
IP Law, Department L2PA/014-2  
5600 Cottle Road  
San Jose, CA 95193

07/15/2005 MBEYENE2 00000038 090466 09929894

01 FC:1501 1400.00 DA

02 FC:1504 300.00 DA

03 FC:8001 APPLICATION NO. 3.00 DA FILING DATE

09/929,894

08/14/2001

FIRST NAMED INVENTOR

Henry Esmond Butterworth

ATTORNEY DOCKET NO.

CONFIRMATION NO.

GB920000053US1

9289

Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

**Certificate of Mailing or Transmission**

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (703) 746-4000, on the date indicated below.

(Depositor's name)

(Signature)

(Date)



TITLE OF INVENTION: FREE SPACE COLLECTION IN INFORMATION STORAGE SYSTEMS

APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1400	\$300	\$1700	08/03/2005
EXAMINER		ART UNIT	CLASS-SUBCLASS		
LE, MIRANDA		2167	707-003000		

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.

"Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.

2. For printing on the patent front page, list

(1) the names of up to 3 registered patent attorneys or agents OR, alternatively,

(2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

1 KUNZLER & ASSOCIATES

2 \_\_\_\_\_

3 \_\_\_\_\_

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

International Business Machines Corporation

(B) RESIDENCE: (CITY and STATE OR COUNTRY)

ARMONK, NEW YORK

Please check the appropriate assignee category or categories (will not be printed on the patent):  Individual  Corporation or other private group entity  Government

4a. The following fee(s) are enclosed:

- Issue Fee
- Publication Fee (No small entity discount permitted)
- Advance Order - # of Copies 1

4b. Payment of Fee(s):

- A check in the amount of the fee(s) is enclosed.
- Payment by credit card. Form PTO-2038 is attached.
- The Director is hereby authorized by charge the required fee(s), or credit any overpayment, to Deposit Account Number 09-0466 (enclose an extra copy of this form).

5. Change in Entity Status (from status indicated above)

a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27.

b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).

The Director of the USPTO is requested to apply the Issue Fee and Publication Fee (if any) or to re-apply any previously paid issue fee to the application identified above. NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

Authorized Signature

Brian C. Kunzler

Date

7/11/05

Registration No.

30, 527

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.



**PATENT**  
Docket No. GB920000053US1

**IN THE UNITED STATES  
PATENT AND TRADEMARK OFFICE**

APPLICANT(S): HENRY ESMOND BUTTERWORTH

SERIAL No.: 09/929,894

FILING DATE: AUGUST 14, 2001

TITLE: FREE SPACE COLLECTION IN INFORMATION STORAGE  
SYSTEMS

EXAMINER: LE, MIRANDA

GROUP ART UNIT: 2167

ATTY. DKT. No.: GB920000053US1

MAIL STOP ISSUE FEE  
COMMISSIONER FOR PATENTS  
P.O. BOX 1450  
ALEXANDRIA, VA 22313-1450

**TRANSMITTAL OF THE  
PAYMENT OF ISSUE FEE**

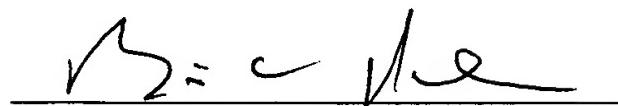
Sir:

The enclosed Payment of the Issue Fee Due is submitted herewith pursuant to 37 C.F.R. § 1.67 and M.P.E.P. § 603.01 for filing in the matter of the United States patent application as hereinabove identified. A duplicate copy of this sheet is enclosed.

Please address all future correspondence in connection with the above-identified patent application to the attention of the undersigned.

Commissioner of Patents  
July 11, 2005  
Page 2

Respectfully Submitted,  
Brian C. Kunzler



Brian C. Kunzler  
Reg. No. 38,527  
Attorney for Applicant

Date: July 11, 2005

Brian C. Kunzler  
8 East Broadway, Suite 600  
Salt Lake City, Utah 84111  
Telephone: 801/994-4646

Please type a plus sign (+) inside this box →

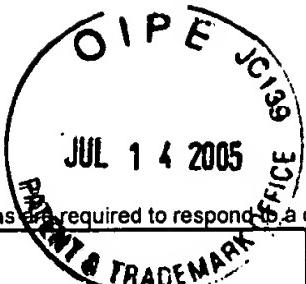
JUL 14 2005

PTO/SB/05 (12/97)

Approved for use through 9/30/05. OMB 0651-0032

Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.



## FEE TRANSMITTAL

Note: Effective December 8, 2004.  
Patent fees are subject to annual revision.

TOTAL AMOUNT OF PAYMENT	\$ 1703	Attorney Docket Number	GB920000053US1
-------------------------	---------	------------------------	----------------

METHOD OF PAYMENT (check one)		FEE CALCULATION (continued)																																																																																																																																																																																																	
1. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge indicated fees and credit any over payments to:  Deposit Account Number: <u>09-0466</u>  Deposit Account Name: <u>IBM CORPORATION</u>  <input checked="" type="checkbox"/> Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17 <input type="checkbox"/> Charge the Issue Fee In 37 CFR at the Mailing of the Notice of Allowance		<b>3. ADDITIONAL FEES</b> <table border="1"> <thead> <tr> <th colspan="2">Large Entity</th> <th colspan="2">Small Entity</th> <th rowspan="2">Fee Description</th> <th rowspan="2">Fee Paid</th> </tr> <tr> <th>Fee Code</th> <th>Fee (\$)</th> <th>Fee Code</th> <th>Fee (\$)</th> </tr> </thead> <tbody> <tr> <td>1051</td> <td>130</td> <td>2051</td> <td>65</td> <td>Surcharge - late filing fee or oath</td> <td></td> </tr> <tr> <td>1052</td> <td>50</td> <td>2052</td> <td>25</td> <td>Surcharge - late provisional filing fee or cover sheet</td> <td></td> </tr> <tr> <td>1053</td> <td>130</td> <td>1053</td> <td>130</td> <td>Non-English specification</td> <td></td> </tr> <tr> <td>1812</td> <td>2520</td> <td>1812</td> <td>2520</td> <td>For filing a request for reexamination</td> <td></td> </tr> <tr> <td colspan="4">1804920*1804920*</td> <td>Requesting publication of SIR prior to Examiner action</td> <td></td> </tr> <tr> <td>1805</td> <td>1840*</td> <td>1805</td> <td>1840*</td> <td>Requesting publication of SIR after Examiner action</td> <td></td> </tr> <tr> <td>1251</td> <td>120</td> <td>2251</td> <td>60</td> <td>Extension for reply within first month</td> <td></td> </tr> <tr> <td>1252</td> <td>450</td> <td>2252</td> <td>225</td> <td>Extension for reply within second month</td> <td></td> </tr> <tr> <td>1253</td> <td>1020</td> <td>2253</td> <td>510</td> <td>Extension for reply within third month</td> <td></td> </tr> <tr> <td>1254</td> <td>1530</td> <td>2254</td> <td>765</td> <td>Extension for reply within fourth month</td> <td></td> </tr> <tr> <td>1255</td> <td>2160</td> <td>2255</td> <td>1080</td> <td>Extension for reply within fifth month</td> <td></td> </tr> <tr> <td>1401</td> <td>500</td> <td>2401</td> <td>250</td> <td>Notice of Appeal</td> <td></td> </tr> <tr> <td>1402</td> <td>500</td> <td>2402</td> <td>250</td> <td>Filing a brief in support of an appeal</td> <td></td> </tr> <tr> <td>1403</td> <td>1000</td> <td>2403</td> <td>500</td> <td>Request for oral hearing</td> <td></td> </tr> <tr> <td>1451</td> <td>1510</td> <td>1451</td> <td>1510</td> <td>Petition to institute a public use proceeding</td> <td></td> </tr> <tr> <td>1452</td> <td>110</td> <td>2452</td> <td>55</td> <td>Petition to revive -unavoidably</td> <td></td> </tr> <tr> <td>1453</td> <td>1370</td> <td>2453</td> <td>685</td> <td>Petition to revive - unintentional</td> <td></td> </tr> <tr> <td>1501</td> <td>1400</td> <td>2501</td> <td>700</td> <td>Utility issue fee</td> <td>1400</td> </tr> <tr> <td>1502</td> <td>800</td> <td>2502</td> <td>400</td> <td>Design issue fee</td> <td></td> </tr> <tr> <td>1503</td> <td>1100</td> <td>2503</td> <td>550</td> <td>Plant issue fee</td> <td></td> </tr> <tr> <td>1460</td> <td>130</td> <td>1460</td> <td>130</td> <td>Petitions to the Commissioner</td> <td></td> </tr> <tr> <td>1807</td> <td>50</td> <td>1807</td> <td>50</td> <td>Petitions related to provisional applications</td> <td></td> </tr> <tr> <td>1806</td> <td>180</td> <td>1806</td> <td>180</td> <td>Submission of Information Disclosure Stmt</td> <td></td> </tr> <tr> <td>8021</td> <td>40</td> <td>8021</td> <td>40</td> <td>Recording each patent assignment per property (times number of properties)</td> <td></td> </tr> <tr> <td>1801</td> <td>790</td> <td>2801</td> <td>395</td> <td>Request for continued examination (RCE) (37 CFR 1.114)</td> <td></td> </tr> <tr> <td>1809</td> <td>790</td> <td>2809</td> <td>395</td> <td>Filing a submission after final rejection (37 CFR 1.129(a))</td> <td></td> </tr> <tr> <td>1810</td> <td>790</td> <td>2810</td> <td>395</td> <td>For each additional invention to be examined (37 CFR 1.129(b))</td> <td></td> </tr> <tr> <td colspan="6">Other fee (specify) <u>Fee Code: 8001 Fee: 3.00 each</u> Printed Copy of Patent w/o color, regular service delivery by USPS, UPSTO Box, or electronic means.</td> </tr> <tr> <td colspan="6">Other fee (specify) <u>Publication Fee</u> <u>3</u> <u>300</u></td> </tr> <tr> <td colspan="2">SUBTOTAL (2)</td> <td>0</td> <td>*Reduced by Basic Filing Fee</td> <td>SUBTOTAL (3)</td> <td>\$1703</td> </tr> </tbody> </table>				Large Entity		Small Entity		Fee Description	Fee Paid	Fee Code	Fee (\$)	Fee Code	Fee (\$)	1051	130	2051	65	Surcharge - late filing fee or oath		1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet		1053	130	1053	130	Non-English specification		1812	2520	1812	2520	For filing a request for reexamination		1804920*1804920*				Requesting publication of SIR prior to Examiner action		1805	1840*	1805	1840*	Requesting publication of SIR after Examiner action		1251	120	2251	60	Extension for reply within first month		1252	450	2252	225	Extension for reply within second month		1253	1020	2253	510	Extension for reply within third month		1254	1530	2254	765	Extension for reply within fourth month		1255	2160	2255	1080	Extension for reply within fifth month		1401	500	2401	250	Notice of Appeal		1402	500	2402	250	Filing a brief in support of an appeal		1403	1000	2403	500	Request for oral hearing		1451	1510	1451	1510	Petition to institute a public use proceeding		1452	110	2452	55	Petition to revive -unavoidably		1453	1370	2453	685	Petition to revive - unintentional		1501	1400	2501	700	Utility issue fee	1400	1502	800	2502	400	Design issue fee		1503	1100	2503	550	Plant issue fee		1460	130	1460	130	Petitions to the Commissioner		1807	50	1807	50	Petitions related to provisional applications		1806	180	1806	180	Submission of Information Disclosure Stmt		8021	40	8021	40	Recording each patent assignment per property (times number of properties)		1801	790	2801	395	Request for continued examination (RCE) (37 CFR 1.114)		1809	790	2809	395	Filing a submission after final rejection (37 CFR 1.129(a))		1810	790	2810	395	For each additional invention to be examined (37 CFR 1.129(b))		Other fee (specify) <u>Fee Code: 8001 Fee: 3.00 each</u> Printed Copy of Patent w/o color, regular service delivery by USPS, UPSTO Box, or electronic means.						Other fee (specify) <u>Publication Fee</u> <u>3</u> <u>300</u>						SUBTOTAL (2)		0	*Reduced by Basic Filing Fee	SUBTOTAL (3)	\$1703
Large Entity		Small Entity		Fee Description	Fee Paid																																																																																																																																																																																														
Fee Code	Fee (\$)	Fee Code	Fee (\$)																																																																																																																																																																																																
1051	130	2051	65	Surcharge - late filing fee or oath																																																																																																																																																																																															
1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet																																																																																																																																																																																															
1053	130	1053	130	Non-English specification																																																																																																																																																																																															
1812	2520	1812	2520	For filing a request for reexamination																																																																																																																																																																																															
1804920*1804920*				Requesting publication of SIR prior to Examiner action																																																																																																																																																																																															
1805	1840*	1805	1840*	Requesting publication of SIR after Examiner action																																																																																																																																																																																															
1251	120	2251	60	Extension for reply within first month																																																																																																																																																																																															
1252	450	2252	225	Extension for reply within second month																																																																																																																																																																																															
1253	1020	2253	510	Extension for reply within third month																																																																																																																																																																																															
1254	1530	2254	765	Extension for reply within fourth month																																																																																																																																																																																															
1255	2160	2255	1080	Extension for reply within fifth month																																																																																																																																																																																															
1401	500	2401	250	Notice of Appeal																																																																																																																																																																																															
1402	500	2402	250	Filing a brief in support of an appeal																																																																																																																																																																																															
1403	1000	2403	500	Request for oral hearing																																																																																																																																																																																															
1451	1510	1451	1510	Petition to institute a public use proceeding																																																																																																																																																																																															
1452	110	2452	55	Petition to revive -unavoidably																																																																																																																																																																																															
1453	1370	2453	685	Petition to revive - unintentional																																																																																																																																																																																															
1501	1400	2501	700	Utility issue fee	1400																																																																																																																																																																																														
1502	800	2502	400	Design issue fee																																																																																																																																																																																															
1503	1100	2503	550	Plant issue fee																																																																																																																																																																																															
1460	130	1460	130	Petitions to the Commissioner																																																																																																																																																																																															
1807	50	1807	50	Petitions related to provisional applications																																																																																																																																																																																															
1806	180	1806	180	Submission of Information Disclosure Stmt																																																																																																																																																																																															
8021	40	8021	40	Recording each patent assignment per property (times number of properties)																																																																																																																																																																																															
1801	790	2801	395	Request for continued examination (RCE) (37 CFR 1.114)																																																																																																																																																																																															
1809	790	2809	395	Filing a submission after final rejection (37 CFR 1.129(a))																																																																																																																																																																																															
1810	790	2810	395	For each additional invention to be examined (37 CFR 1.129(b))																																																																																																																																																																																															
Other fee (specify) <u>Fee Code: 8001 Fee: 3.00 each</u> Printed Copy of Patent w/o color, regular service delivery by USPS, UPSTO Box, or electronic means.																																																																																																																																																																																																			
Other fee (specify) <u>Publication Fee</u> <u>3</u> <u>300</u>																																																																																																																																																																																																			
SUBTOTAL (2)		0	*Reduced by Basic Filing Fee	SUBTOTAL (3)	\$1703																																																																																																																																																																																														
SUBMITTED BY				Complete (if applicable)																																																																																																																																																																																															
Typed or Printed Name	Brian C. Kunzler			Reg. Number	38,527																																																																																																																																																																																														
Signature			Date	Jul 11, 2005	Deposit Account User ID																																																																																																																																																																																														

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231